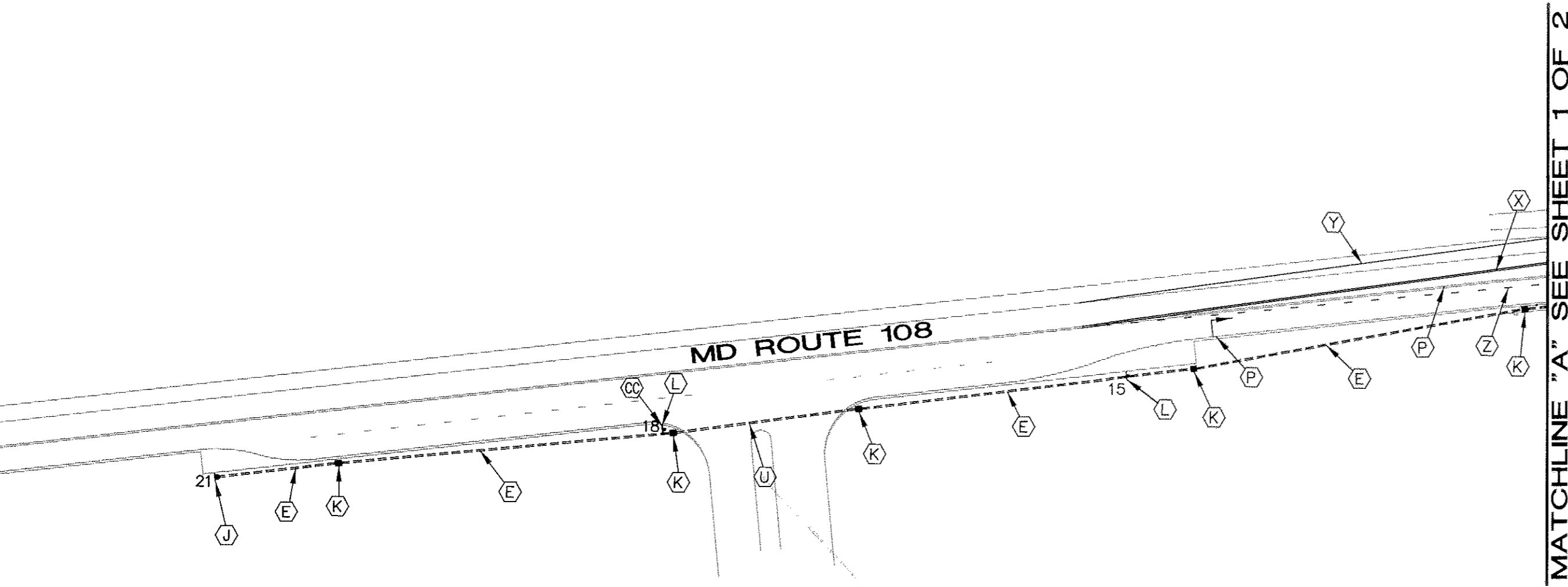
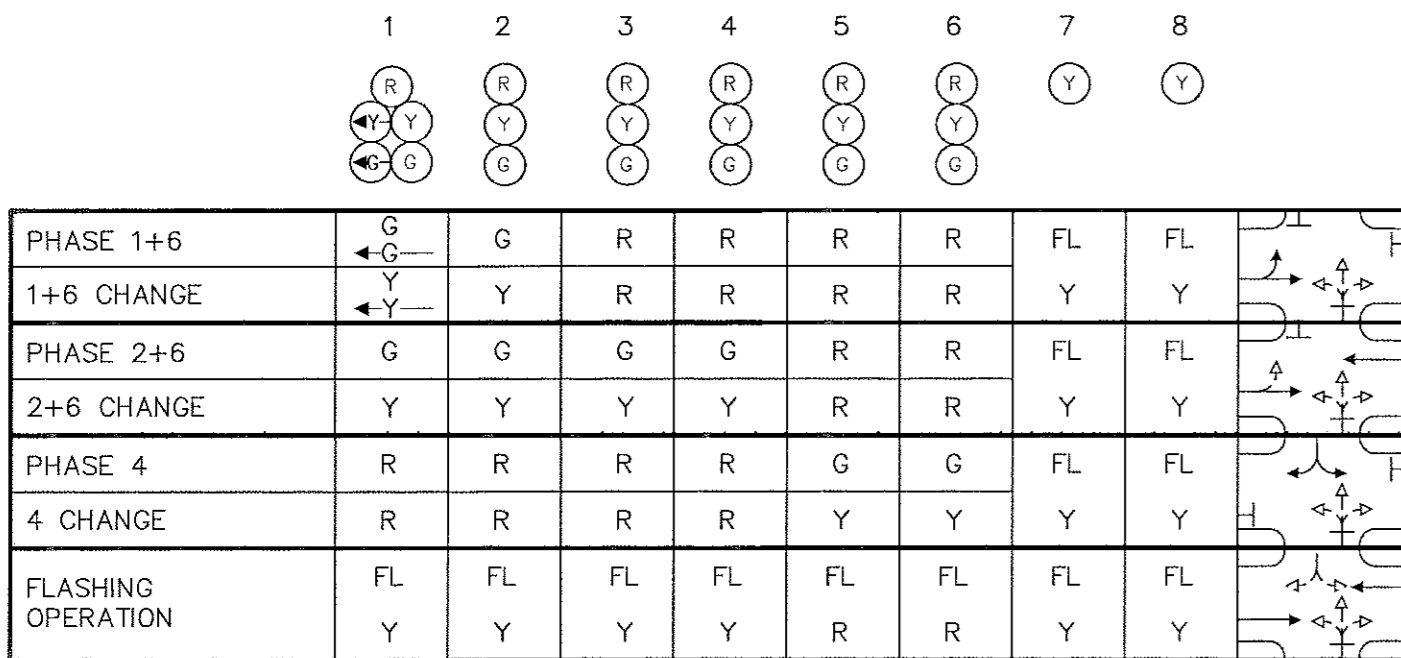
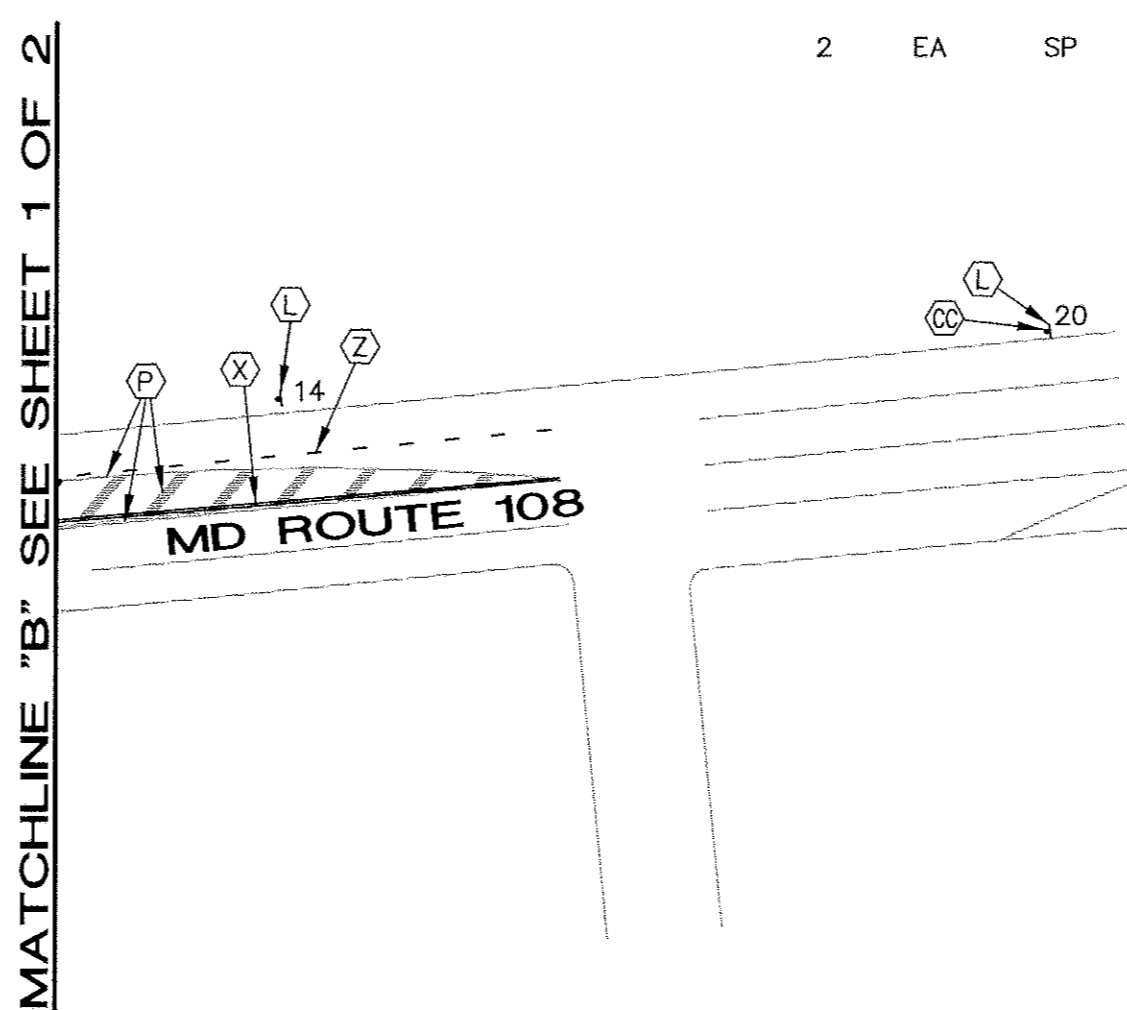


PHASING DIAGRAM



PLAN
SCALE: 1"=50'

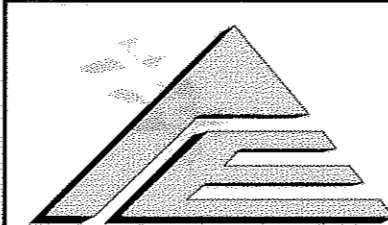
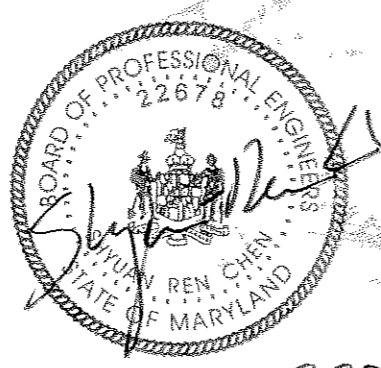
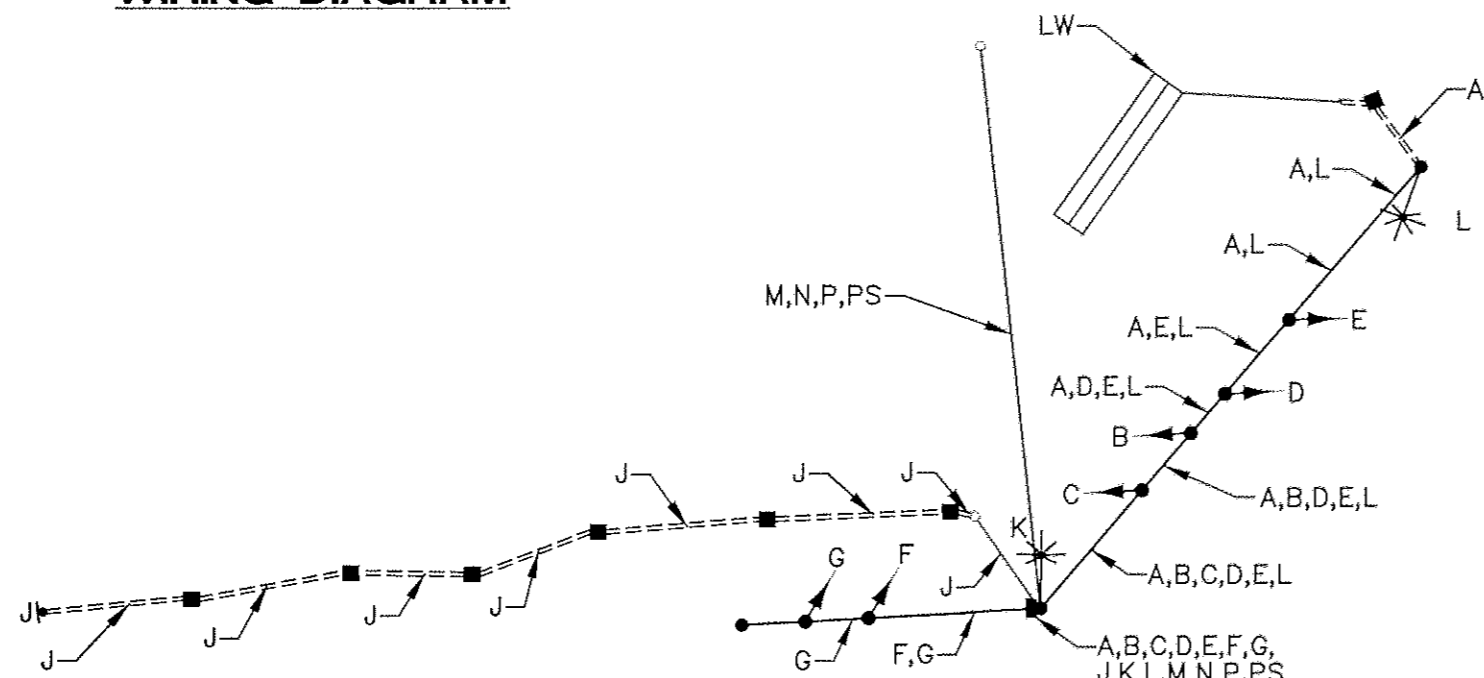


MATCHLINE "B" SEE SHEET 1 OF 2

WIRING DIAGRAM

WIRING LEGEND

- A - 2 CONDUCTOR CABLE (ALUMINUM SHIELED)
- B - 7 CONDUCTOR CABLE (NO. 14 A.W.G.)
- C - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
- D - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
- E - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
- F - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
- G - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
- J - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
- K - 2 CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)
- L - 2 CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)
- M - 1 CONDUCTOR CABLE (NO. 4 A.W.G.)
- N - 1 CONDUCTOR CABLE (NO. 4 A.W.G.)
- P - 1 CONDUCTOR CABLE (NO. 4 A.W.G.)
- PS - PROPOSED ELECTRICAL SERVICE
- LW - LOOP WIRE



A/E GROUP, INC.
ENGINEERS • PLANNERS
181 E. Main Street
Westminster, Maryland 21157
A/E Job No. 96-309-045

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
1	EA	SP	POLE MOUNTED LOCAL CABINET (SIZE 5) WITH DETECTION EQUIPMENT WITH 8 PHASE ASC II CONTROLLER WITH TELEMETRY
215	SF	SP	FLAT SHEET ALUMINUM SIGNS--BLUE OR GREEN-- (2)=R3-7(R) (48"x48") (2)=D-3(2) (VAR."x16") (1)=R10-12 (30"x36") (1)=R3-8(7) (60"x30") (1)=M95-1 (96"x24") (1)=R1-2 (36"x36"x36") (4)=D95-25 (24"x12") (4)=W3-3 (48"x48") (4)=D95-25 (24"x12")
5	EA	SP	FURNISH 12 INCH 1 WAY 3 SECTION (R, Y, G) SIGNAL HEAD HAVING PROPER ADJUSTABLE SPAN WIRE BRACKET, AND TUNNEL VISORS
1	EA	SP	FURNISH 12 INCH 1 WAY 5 SECTION (R, Y, GA, G, GA) SIGNAL HEAD HAVING PROPER ADJUSTABLE SPAN WIRE BRACKET, AND TUNNEL VISORS
2	EA	SP	FURNISH 12 INCH 1 WAY 1 SECTION (Y) SIGNAL HEAD HAVING PROPER ADJUSTABLE POLE BRACKET AND TUNNEL VISORS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
1	CY	205	TEST PIT EXCAVATION
1	EA	816	INSTALL CONTROLLER AND CABINET--POLE MOUNT
31	SF	813	INSTALL OVERHEAD SIGN
7	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
50	LF	805	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT--RISER
5	LF	805	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
755	LF	805	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT--TRENCHED
1	EA	807	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
35	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE--1 CONDUCTOR (NO. 4 AWG - THHN/THWN)
190	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE--2 CONDUCTOR (ALUMINUM SHIELDED)
1305	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE--5 CONDUCTOR (NO 14 AWG)
70	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE--7 CONDUCTOR (NO 14 AWG)
495	LF	810	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
140	LF	815	FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
145	SF		INSTALL GROUND MOUNTED SIGN
1	EA		INSTALL POLE MOUNTED SIGN
2	EA		FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE WITH PHOTOCCELL
2	EA		FURNISH AND INSTALL 10-FOOT LIGHTING ARM ON SIGNAL STRUCTURE
2	EA		FURNISH AND INSTALL 2" WEATHERHEAD
3	EA		FURNISH AND INSTALL TEMPORARY WOOD POLE
90	LF		FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT--SLOTTED
90	SF		REMOVE EXISTING GROUND MOUNTED SIGN
1	EA		FURNISH AND INSTALL 14-FOOT BREAKAWAY PEDESTAL POLE
165	LF		FURNISH AND INSTALL STEEL SPAN SPAN WIRE--3/8" IN DIAMETER
1	CY		FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8	EA		INSTALL SIGNAL HEAD--ANY TYPE
185	LF		REMOVE SPAN WIRE AND ASSOCIATED WIRING
1	LS		REMOVE AND SALVAGE EXISTING EQUIPMENT
165	LF		FURNISH AND INSTALL TETHER WIRE--1/4" IN DIAMETER

GENERAL NOTES

- "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR
- GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- PAVEMENT MARKING DETAILED ARE PROPOSED AND ARE TO BE INSTALLED PRIOR BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS ALL OTHER PAVEMENT MARKINGS WILL BE INSTALLED AS PART OF THE HIGHWAY CONTRACT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

Temporary Traffic Signal

MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 13010804.49

DRAWN BY: M. GESELL

DES. BY: C. CHEN

CHK. BY: C. CHEN

DATE: 12/07/98

SCALE: NONE

F.A.P. NO.

S.H.A. NO. 224m83

TS/STD. NO.

3840 GI

COUNTY: HOWARD

SHEET NO.

2 OF 2